

## GILA RIVER BASIN

09505600 DIRTY NECK CANYON NEAR CLINTS WELL, AZ

LOCATION.--Lat 34°30'45", long 111°21'30", in N<sup>1</sup>/<sub>2</sub> sec.23, T.13 N., R.9 E., Coconino County, Hydrologic Unit 15060203, at State Highway 87, 4 mi southwest of Clints Well, and 18 mi south of Payson.

DRAINAGE AREA.--3.42 mi<sup>2</sup>.

### Annual peak discharges

Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes	Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes
1965	01-06-65	85		1971	00-00-71	1.0	LT
1966	12-30-65	115		1972	12-26-71	84	
1967	12-06-66	45		1973	10-19-72	210	
1968	00-00-68	18		1974	00-00-74	0	
1969	01-25-69	68		1975	00-00-75	20	
1970	09-05-70	210		1979	12-18-78	<sup>1</sup> 200	HP

Magnitude and probability of instantaneous peak flow based on period of record 1965-75, 1979

Discharge, in ft <sup>3</sup> /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2 50%	5 20%	10 10%	25† 4%	50† 2%	100† 1%
62.7	151	231	353	458	573
Weighted skew	(logs) =	-0.37			
Mean	(logs) =	1.77			
Standard dev.	(logs) =	0.48			

† Reliability of values in column is uncertain, and potential errors are large.

### Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
190	3.4	7,140	99.0	3.0	26.0	2.7	4.7

